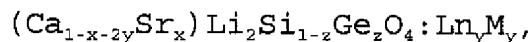


IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

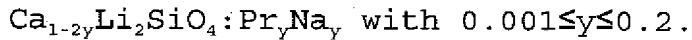
1. (Currently Amended) A device for generating radiation by means of excimer discharge, equipped with an at least partly UV-transparent discharge vessel (1), the discharge space (2) of which is filled with a gas filling, with means for igniting and maintaining an excimer discharge (4, 5) in the discharge space, and with a coating (3) comprising a light-emitting compound of the following composition:



wherein Ln is a cation selected from the group Ce^{3+} , Pr^{3+} , Sm^{3+} , Eu^{3+} , Gd^{3+} , Tb^{3+} , Dy^{3+} , Er^{3+} , Tm^{3+} and Yb^{3+} ,

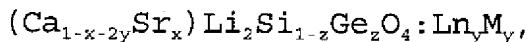
and M is a cation selected from the group Na^+ , K^+ and Rb^+ , with $0 \leq x \leq 0.1$, $0.001 \leq y \leq 0.2$ and $0 \leq z \leq 1$.

2. (Currently Amended) A The device as claimed in claim 1,
characterized in that wherein the coating (3) is equipped with a
light-emitting compound of the following composition:



Claims 3-4 (Canceled)

5. (Original) A light-emitting compound of the following
composition:

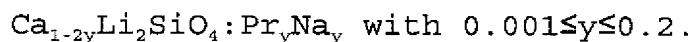


wherein Ln is a cation selected from the group Ce^{3+} , Pr^{3+} , Sm^{3+} , Eu^{3+} ,
 Gd^{3+} , Tb^{3+} , Dy^{3+} , Er^{3+} , Tm^{3+} and Yb^{3+} ,

and M is a cation selected from the group Na^+ , K^+ and Rb^+ ,
with

$$0 \leq x \leq 0.1, \quad 0.001 \leq y \leq 0.2 \text{ and } 0 \leq z \leq 1.$$

6. (Original) A light-emitting compound of the following
composition:

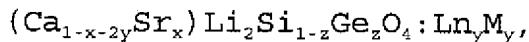


7. (New) A disinfection device for disinfecting material comprising a radiation source, the radiation source being configured to generate radiation by an excimer discharge, wherein the radiation source includes:

a partly UV-transparent discharge vessel filled with a gas filling and coated with a coating, and

at least one electrode configured to ignite and maintain the excimer discharge in the discharge space,

the coating comprising a light-emitting compound of the following composition:



wherein Ln is a cation selected from the group Ce^{3+} , Pr^{3+} , Sm^{3+} , Eu^{3+} , Gd^{3+} , Tb^{3+} , Dy^{3+} , Er^{3+} , Tm^{3+} and Yb^{3+} ,

and M is a cation selected from the group Na^+ , K^+ and Rb^+ , with $0 \leq x \leq 0.1$, $0.001 \leq y \leq 0.2$ and $0 \leq z \leq 1$.

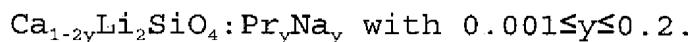
8. (New) The disinfection device of claim 7, wherein the material includes at least one of water, air, and material on or forming surfaces.

9. (New) A disinfection device for disinfecting material comprising a radiation source, the radiation source being configured to generate radiation by an excimer discharge, wherein the radiation source includes:

a partly UV-transparent discharge vessel filled with a gas filling and coated with a coating, and

at least one electrode configured to ignite and maintain the excimer discharge in the discharge space,

the coating comprising a light-emitting compound of the following composition:



10. (New) The disinfection device of claim 9, wherein the material includes at least one of water, air, and material on or forming surfaces.